FIG. 1

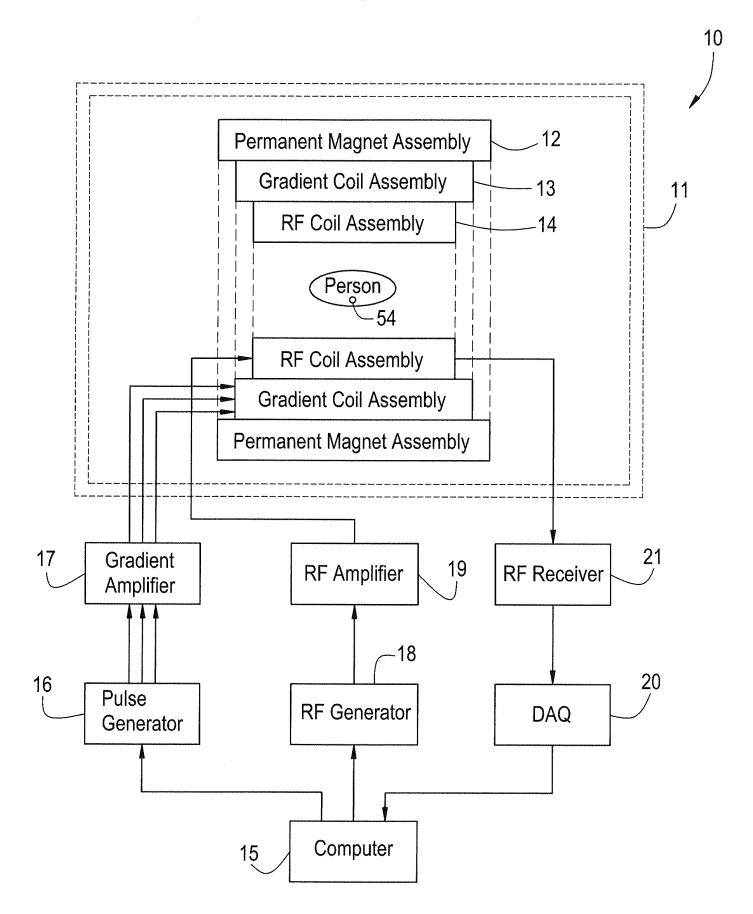


FIG. 2

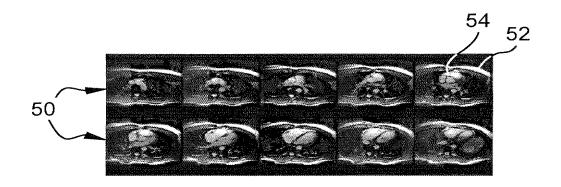


FIG. 3

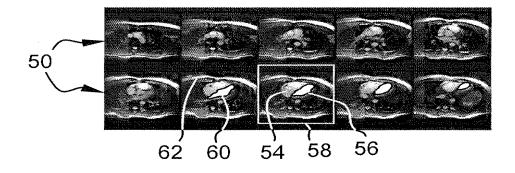
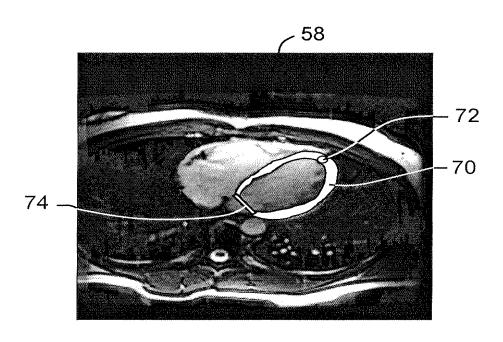


FIG. 4



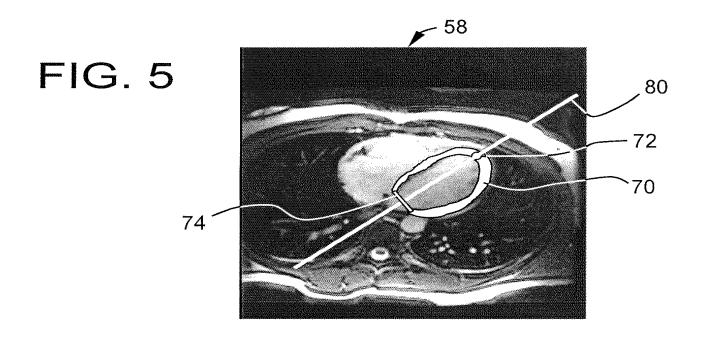


FIG. 6

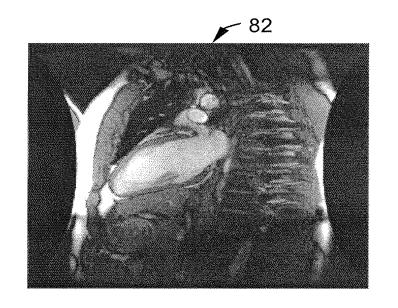
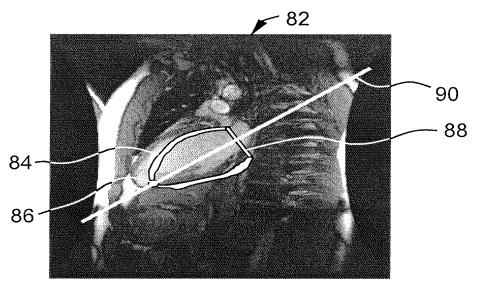


FIG. 7



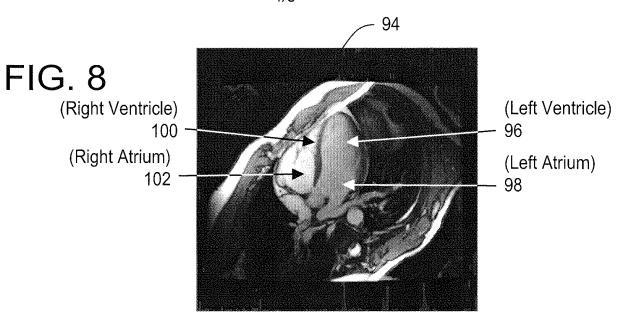


FIG. 9

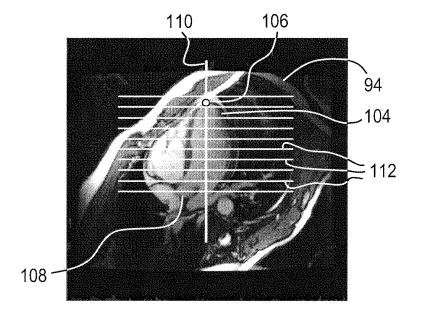
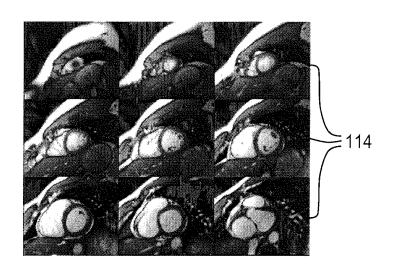


FIG. 10



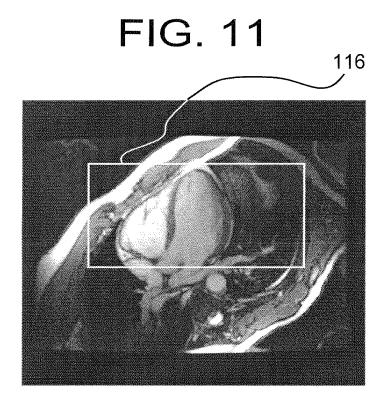


FIG. 12

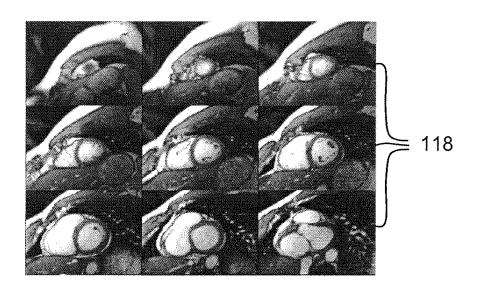


FIG. 13



Computer induces the MRI scanning device to scan an internal
anatomy of a chest region of the person to obtain first scanning data
Computer generates a first plurality of cross-sectional digital images of
the heart based on the first scanning data
Computer automatically determines a ventricular blood volume indicated 14
by each of the first plurality of cross-sectional digital images
Computer automatically selects a second digital image from the first plurality 14
of cross-sectional digital images indicating a largest ventricular blood volume
Computer automatically identifies a left ventricular myocardium in the second 14
digital image and both a first apex position and a first base position of the left
ventricular myocardium in the second digital image
Computer automatically generates first axis extending through the first apex 15
position and the first base position in the second digital image
Computer induces the MRI scanning device to scan the internal anatomy of 15
the chest region of the person along the first axis perpendicular to a first plane
defined by the second digital image to obtain second scanning data
Computer generates a third digital image of the heart from the second 15
scanning data
Computer automatically identifies the left ventricular myocardium in the third 150
digital image and both a second apex position and a second base position of
the left ventricular myocardium in the third digital image

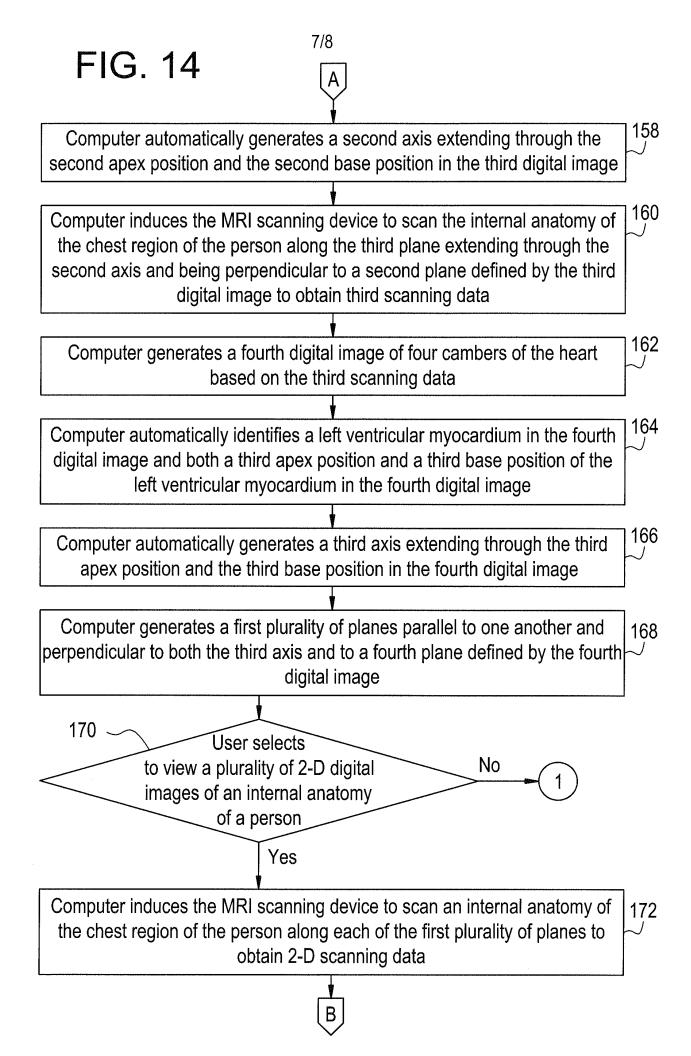


FIG. 15

